



RTU Course "Microtechnology Equipment"

15D01 Elektronikas un vakuumtehn.materiālzinību pr.g.

General data

Code	MMK435
Course title	Microtechnology Equipment
Course status in the programme	Compulsory/Courses of Limited Choice
Course level	Undergraduate Studies
Course type	Professional
Field of study	Medical Engineering
Responsible instructor	Balodis Aldis
Volume of the course: parts and credits points	1 part, 2.0 Credit Points, 3.0 ECTS credits
Language of instruction	LV
Possibility of distance learning	Not planned
Abstract	Structural features of microtechnology equipment. Vacuum equipment. Conveyers. Hydraulic and pneumatic systems. Heat exchange equipment. Cooling equipment and cryotechnique. Evaporators. Special instruments.
Goals and objectives of the course in terms of competences and skills	
Structure and tasks of independent studies	
Recommended literature	Fundamentals of Vacuum Technology Dr. Walter Umrath Cologne, August, 2000 (e-Books). E. Bergandt und H. Henning Methoden zur Erzeugung von Ultrahochvakuum Vakuu-Technik, 25, 2002, p.140 Zi S. SLIS tehnoloģija 1 un 2 daļa, Maskava, Mir, 1986, 1d.-402 lp. 2d. 378. lp. (Krievu val. Tehnoloģija SBIS, Pod red. C.Zi); Internet resursi
Course prerequisites	

Course outline

Theme	Hours
	2
	2
	2
	2
	2
	2
	4
	2
	2
	2
	2
	4
	2
	2

Learning outcomes and assessment

Learning outcomes	Assessment methods

Study subject structure

Part	CP	ECTS	Hours per Week			Tests		
			Lectures	Practical	Lab.	Test	Exam	Work
1.	2.0	3.0	2.0	0.0	0.0		*	